

(3 Hours)

Total Marks: 80

N.B. :

- 1) Question No.1 is **compulsory**.
- 2) Attempt any **THREE** from the remaining questions
- 3) Figures to the right indicate full marks.

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| Q1. | (a) Explain consistency models in detail | [5] |
| | (b) Explain Callback RPC | [5] |
| | (c) Explain logical Clocks | [5] |
| | (d) Explain evolution of cloud computing | [5] |
| Q2. | (a) What is Distributed operating system? Why Distributed operating system gaining popularity. | [10] |
| | (b) Explain group communication in detail | [10] |
| Q3. | (a) Explain desirable features of good message passing system detail. | [10] |
| | (b) Explain Distributed Algorithm for Mutual Exclusion in detail. | [10] |
| Q4. | (a) Explain process addressing in IPC. | [10] |
| | (b) Explain in details any two Election algorithms. | [10] |
| Q5. | (a) Explain Design and implementation issues of Distributed Shared Memory. | [10] |
| | (b) What is process management? Explain features of a good process migration | [10] |
| Q6. | (a) Explain security issues for Cloud computing in detail. | [10] |
| | (b) Explain task assignment approach in detail | [10] |